

NOW --

An **OPTICAL TABLET TERMINAL**

which offers

rare high-performance features,
maximum operating convenience,
and at a modest cost . . .

\$2k

THE ADVANCE TABLET

OPTICAL:
there's a
light in
the pen.



A 1970 Breakthrough Product
of the
Digital Products Division
ADVANCE RESEARCH, INC.
Waltham Mass.

The Advance Tablet is a high performance, highly-flexible optical tablet terminal, designed to feed graphic plots directly to computer and CRT display.

Each of its special features was deliberately introduced to meet an end-user need not adequately or economically served by existing input devices in the field.

PRECISION

The Advance Tablet combines high resolution and built-in digital position indicators, for a new dimension in control accuracy.

Full 1024 x 1024 (10 bit) resolution in both X and Y directions permits the fine location of any point selected by touching pen to tablet face.

Digital Light Indicators instantly display these characteristics directly at top of tablet, so that the operator can verify exact position before transmitting points into the computer.

Octal read-out is standard, measuring from screen-center. Options allow positioning relative to lower left corner of the screen... use of two's complement notation ... or decimal display.

FLEXIBILITY

Illuminated function push-buttons control the selection of up to 8 modes of operation, including:

Locate - cursor is positioned by contact and movement of pen on tablet, with its exact location continuously shown on the digital light indicators.

Point Plot - permits computer entry of the one individual point selected by free-hand "fishing" on tablet surface.

Continuous Plot - instantaneous feed of consecutive points to the computer, as rapidly as they are drawn across the tablet.

Single Vector - vectors are created simply by establishing the two end points, after verifying the exact position of each through reference to the digital indicator display.

Tip-to-tail or Chain Vector - continuous vectors are drawn, with the tip of each segment establishing start point for the next segment.

Circle - circle generating instructions are fed to the computer by establishing coordinates of the center and one point on the diameter.

The Advance Tablet also provides for two additional optional functions such as Erase or Character Recognition, to be determined by software associated with the computer.

OUTPUT

The standard interface provides digital output in a parallel, "handshaking" mode. Serial Output for teletype use, analog, or any other arbitrary computer and display interface are options.

SPEED

The plotting rate of 5,000 coordinate pairs per second permits full input of arbitrary path drawings as fast as penned, and instant vector or automatic circle generation.

RELIABILITY

There are no moving parts in the tablet itself, which is entirely of solid state construction. Pens, which carry the only parts subject to eventual wear, are long-lasting and readily replaceable.

For further details and
availability schedules,
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